

FEB 08 2005

FORM PTO-1449

THIRTEENTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET No.
0942.5010002/RWE/BJD/JKMAPPLICATION No.
09/732,914APPLICANT(S)
Cheo *et al.*FILING DATE
December 11, 2000ART UNIT
1636

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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| | AA | | | | | | |
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| | AL23 | WO 01/68836 | 09/20/2001 | WIPO | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

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| | AR | | |
| | AS | 215 | Baum, J.A., "Tn5401, a New Class II Transposable Element From <i>Bacillus thuringiensis</i> ," <i>J. Bacteriol.</i> 176:2835-2845, American Society for Microbiology (1994) |
| | AT | 215 | Office Action for U.S. Patent Application No. 10/796,868, mailed on January 25, 2005 |

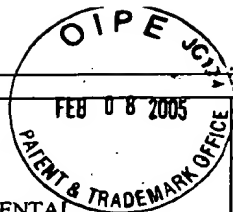
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JAMES KETTER

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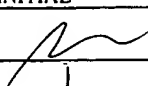
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| | AR | 216 | U.S. Patent Application No. 10/913,501, Chesnut <i>et al.</i>, filed August 9, 2004 (NOT PUBLISHED) |
| | AS | 216 | U.S. Patent Application No. 10/970,635, Hanson, filed October 22, 2004 (NOT PUBLISHED) |
|  | AT | 216 | Short, J.M. <i>et al.</i> , "λ ZAP: a bacteriophage λ expression vector with <i>in vivo</i> excision properties," <i>Nucleic Acids Research</i> 16:7583-7600, IRL Press Limited (1988) |

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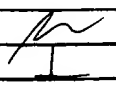
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|  | AR | <u>104</u> | Bauer, C.E. <i>et al.</i> , "Extent of Sequence Homology Required for Bacteriophage Lambda Site-specific Recombination," <i>J. Mol. Biol.</i> 181: 187-197, Academic Press Inc. (1985). |
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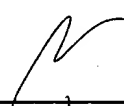


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|  | AR | <u>105</u> | Collis, C.M. and Hall, R.M., "Expression of Antibiotic Resistance Genes in the Integrated Cassettes of Integrins," <i>Antimicrobial Agents and Chemotherapy</i> 39: 155-162 (1995). |
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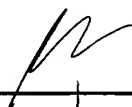


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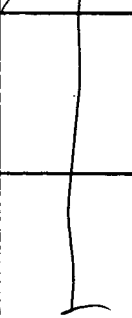

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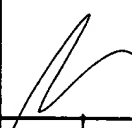
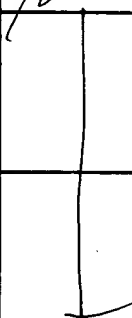

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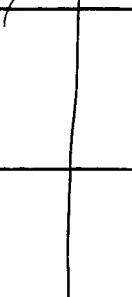

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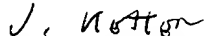
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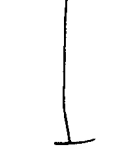
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FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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|  | AR | <u>110</u> | Sauer, B., and Henderson, N., "Site-specific DNA recombination in mammalian cells by the Cre recombinase of bacteriophage P1," <i>Proc. Natl. Acad. Sci. USA</i> 85: 5166-5170, National Academy of Sciences (1988). |
|  | AS | <u>110</u> | Scott, S.D., and Marples, B., "Comment on the use of the cre/loxP recombinase system for gene therapy vectors," <i>Gene Therapy</i> 7: 1706, Macmillan Publishers Ltd. (2000). |
|  | AT | <u>110</u> | Vetter, D. <i>et al.</i> , "Site-specific recombination of yeast 2- μ m DNA <i>in vitro</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 80: 7284-7288, National Academy of Sciences (1983). |

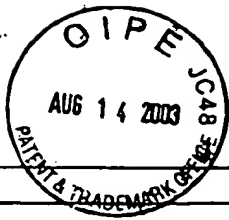
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FORM PTO-1449

SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.5010002/RWE/BJD/JKMAPPLICATION NO.
09/732,914APPLICANT
CHEO *et al.*FILING DATE
December 11, 2000GROUP
1636

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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| | AL9 | | | | | | Yes No |
| | AM9 | | | | | | Yes No |
| | AN9 | WO 96/40722 | 12/19/1996 | WIPO | | | Yes No |
| | AO9 | | | | | | Yes No |
| | AP9 | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
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| | AR | 111 | Cormack, B., "Directed Mutagenesis Using the Polymerase Chain Reaction," in <i>Current Protocols in Molecular Biology</i> 1:8.5.1-8.5.10, Ausubel, F.M., <i>et al.</i> , eds., John Wiley & Sons, Inc. (1997). |
| | AS | 111 | Feinbaum, R., "Vectors Derived from Plasmids," in <i>Current Protocols in Molecular Biology</i> 1:1.5.1-1.5.17, Ausubel, F.M., <i>et al.</i> , eds., John Wiley & Sons, Inc. (1998). |
| | AT | 111 | Johnson, R.C., <i>et al.</i> , "Isolation of the gene encoding the Hin recombinational enhancer binding protein," <i>Proc. Natl. Acad. Sci. USA</i> 85:3484-3488, National Academy of Sciences (1988). |

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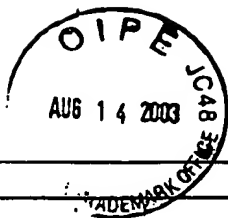
JAMES KETTER

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FORM PTO-1449

SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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09/732,914APPLICANT
CHEO *et al.*FILING DATE
December 11, 2000GROUP
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U.S. PATENT DOCUMENTS

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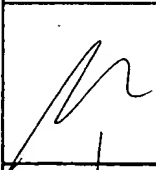
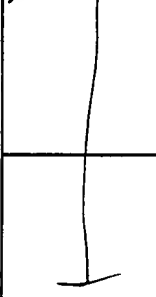

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FOREIGN PATENT DOCUMENTS

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| | AL | | | | | | Yes No |
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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|  | AR | 112 | Koch, C., <i>et al.</i> , "Escherichia coli host factor for site-specific DNA inversion: Cloning and characterization of the <i>fis</i> gene," <i>Proc. Natl. Acad. Sci. USA</i> 85: 4237-4241, National Academy of Sciences (1988). |
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|  | AT | 112 | Sambrook, J., <i>et al.</i> , "Expression of Cloned Genes in Cultured Mammalian Cells," in <i>Molecular Cloning A Laboratory Manual</i> , Second Edition, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, pp. 16.6-16.8 (1989). |

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0942.5010002/RWE/BJD/JKMAPPLICATION NO.
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CHEO *et al.*FILING DATE
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U.S. PATENT DOCUMENTS

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
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| | AR | 113 | Stryer, L., <i>Biochemistry</i> , Second Edition, W.H. Freeman and Company, New York, pp. 610 (1981). |
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| | AT | 113 | |

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December 11, 2000GROUP
1636

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|-----|--------------------|------------|------------------------|-------|-----------|-------------|
| <i>R</i> | AA7 | 6,066,778 | 05/23/2000 | Ginsburg <i>et al.</i> | | | 11/06/1996 |
| | AB7 | | | | | | |
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| | AL | | | | | | Yes No |
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0942.5010002/RWE/BJD/JKMAPPLICATION NO.
09/732,914FIRST NAMED INVENTOR
Cheo *et al.*FILING DATE
December 11, 2000ART UNIT
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U.S. PATENT DOCUMENTS

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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| AR | | | |
| AS | 113 | Kuempel, P., <i>et al.</i> , "Use of a transposon (Tndif) to obtain suppressing and nonsuppressing insertions of the <i>dif</i> resolvase site of <i>Escherichia coli</i> ," <i>Genes Dev.</i> 10:1162-1171, Cold Spring Harbor Laboratory Press (July 1, 1996). | |
| AT | 113 | Lee, M.H., <i>et al.</i> , "Site-specific integration of mycobacteriophage L5: Integration-proficient vectors for <i>Mycobacterium smegmatis</i> , <i>Mycobacterium tuberculosis</i> and bacille Calmette-Guérin," <i>Proc. Natl. Acad. Sci. USA</i> 88:3111-3115, National Academy of Sciences (1991). | |

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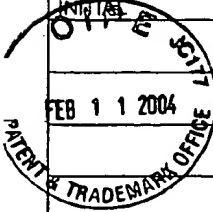
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09/732,914FIRST NAMED INVENTOR
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December 11, 2000ART UNIT
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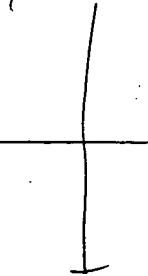

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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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| | AL | | | | | | Yes No |
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| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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|--|----|------------|--|
|  | AR | <u>114</u> | Manning, P.A., <i>et al.</i> , "Gene Capture in <i>Vibrio cholera</i> ," <i>Trends in Microbiology</i> 7:93-95, Elsevier Science (1999). |
|  | AS | <u>114</u> | Murayama, N. <i>et al.</i> "Evidence for Involvement of <i>Escherichia coli</i> Genes <i>pmbA</i> , <i>csrA</i> and a Previously Unrecognized Gene <i>tldD</i> , in the Control of DNA Gyrase by <i>letD</i> (<i>ccdB</i>) of Sex Factor F," <i>J. Mol. Biol.</i> 256:483-502 Academic Press Limited (1996). |
|  | AT | <u>114</u> | Shuman, S., "Novel Approach to Molecular Cloning and Polynucleotide Synthesis Using Vaccinia DNA Topoisomerase," <i>J. Biol. Chem.</i> 269:32678-32684, The American Society for Biochemistry and Molecular Biology, Inc. (1994). |

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9/17/05

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0942.5010002/RWE/BJD/JKMAPPLICATION NO.
09/732,914FIRST NAMED INVENTOR
Cheo *et al.*FILING DATE
December 11, 2000ART UNIT
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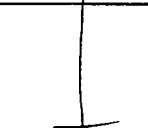
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| | AL | | | | | | Yes No |
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|  | AR | <u>115</u> | Zechiedrich, E.L., <i>et al.</i> , "Topoisomerase IV, not gyrase, decatenates products of site-specific recombination in <i>Escherichia coli</i> ," <i>Genes Dev.</i> 11:2580-2592, Cold Spring Harbor Laboratory Press (1997). |
|  | AS | <u>115</u> | Institut Pasteur Website, Introduction: http://www.pasteur.fr/recherche/unites/pmtg/integ/intro.html (accessed 6/19/2003). |
|  | AT | <u>115</u> | Institut Pasteur Website, Figure 1: http://www.pasteur.fr/recherche/unites/pmtg/integ/fig1.html (accessed 6/19/2003). |

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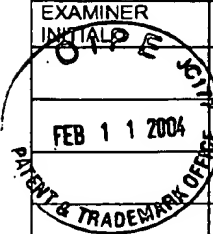
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0942.5010002/RWE/BJD/JKMAPPLICATION NO.
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U.S. PATENT DOCUMENTS

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|  | AR | <u>116</u> | Institut Pasteur Website, Figure 2: http://www.pasteur.fr/recherche/unites/pmtg/integ/fig2.html (accessed 6/19/2003). |
| | AS | <u>116</u> | Institut Pasteur Website, Figure 3: http://www.pasteur.fr/recherche/unites/pmtg/integ/fig3.html (accessed 6/19/2003). |
| | AT | <u>116</u> | Institut Pasteur Website, Main page: http://www.pasteur.fr/recherche/unites/pmtg (accessed 6/19/2003). |

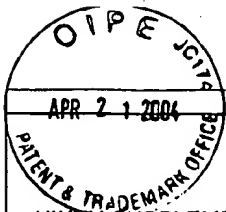
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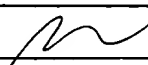
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U.S. PATENT DOCUMENTS

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| | AA | | | | | | |
|  | AB7 | 2002/0182731 A1 | 12/05/2002 | Ji <i>et al.</i> | | | 01/25/2002 |
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FOREIGN PATENT DOCUMENTS

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| | AP | | | | | | Yes No |

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|  | AR | 117 | Stuurman, J., <i>et al.</i> , "Single-site manipulation of tomato chromosomes <i>in vitro</i> and <i>in vivo</i> using Cre-lox site-specific recombination," <i>Plant Molec. Biol.</i> 32:901-913, Kluwer Academic Publishers (1996) |
| | AS | | |
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JAMES KETTER

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TENTH SUPPLEMENTAL
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U.S. PATENT DOCUMENTS

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|---------------------|-----|-----------------|------------|-----------------------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC7 | 2002/0007051 | 01/17/2002 | Cheo <i>et al.</i> | | | 12/11/2000 |
| | AD7 | 2002/0068290 | 06/06/2002 | Yarovinsky | | | 05/31/2001 |
| | AE7 | 2002/0094574 | 07/18/2002 | Hartley <i>et al.</i> | | | 05/16/2001 |
| | AF7 | 2002/0172997 | 11/21/2002 | Hartley <i>et al.</i> | | | 07/19/2001 |
| | AG7 | 2002/0192819 | 12/19/2002 | Hartley <i>et al.</i> | | | 07/19/2001 |
| | AH7 | 2003/0027289 | 02/06/2003 | Farmer | | | 04/05/2002 |
| | AI7 | 2003/0054555 | 03/20/2003 | Farmer <i>et al.</i> | | | 09/17/2002 |
| | AJ7 | 2003/0054552 | 03/20/2003 | Hartley <i>et al.</i> | | | 01/30/2002 |
| | AK7 | 2003/0059900 | 03/27/2003 | Farmer | | | 01/17/2002 |

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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|-----|-----------------|------------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO9 | WO 01/31039 | 05/03/2001 | WIPO | | | Yes No |
| | AP9 | WO 02/00875 | 01/03/2002 | WIPO | | | Yes No |

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FORM PTO-1449

TENTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.5010002/RWE/BJD/JKMAPPLICATION NO.
09/732,914

APPLICANT(S)

Cheo *et al.*

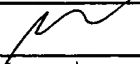
FILING DATE

December 11, 2000

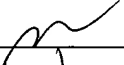
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| | AC8 | 2003/0077804 | 04/24/2003 | Byrd <i>et al.</i> | | | 04/19/2002 |
| | AD8 | 2003/0124555 | 07/03/2003 | Brasch <i>et al.</i> | | | 05/21/2002 |
| | AE8 | 2003/0153055 | 08/14/2003 | Miles <i>et al.</i> | | | 02/20/2003 |
| | AF8 | 2003/0157716 | 08/21/2003 | Hartley <i>et al.</i> | | | 11/02/2001 |
| | AG8 | 2003/0157662 | 08/21/2003 | Gerard <i>et al.</i> | | | 11/13/2002 |
| | AH8 | 2003/0175970 | 09/18/2003 | Hartley <i>et al.</i> | | | 11/21/2002 |
| | AI8 | 2003/0176644 | 09/18/2003 | Byrd <i>et al.</i> | | | 02/07/2002 |
| | AJ8 | 2003/0186233 | 10/02/2003 | Chesnut <i>et al.</i> | | | 12/07/2001 |
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|  | AL10 | WO 02/08391 | 01/31/2002 | WIPO | | | Yes No |
| | AM10 | WO 02/16594 | 02/28/2002 | WIPO | | | Yes No |
| | AN10 | WO 02/61034 | 08/08/2002 | WIPO | | | Yes No |
| | AO10 | WO 03/25161 | 03/27/2003 | WIPO | | | Yes No |
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APPLICATION NO.

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Cheo *et al.*

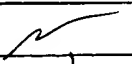
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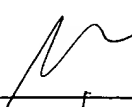
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| | AE9 | 2004/0171157 | 09/02/2004 | Hartley <i>et al.</i> | | | 04/08/2004 |
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| | AL | | | | | | Yes No |
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| | AP | | | | | | Yes No |

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FORM PTO-1449

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FORM PTO-1449

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| | AT | 121 | Office Action for U.S. Patent Application No. 10/058,292, mailed on September 22, 2004 |

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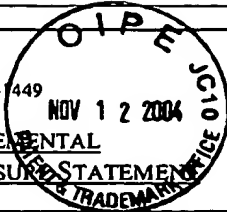
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December 11, 2000ART UNIT
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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | | | | | |
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| | AT | | | | | | |

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JAMES KETTER

DATE CONSIDERED

4/17/05

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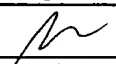
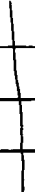
FORM PTO-1449 NOV 12 2004

ELEVENTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
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09/732,914

APPLICANT(S)

Cheo *et al.*FILING DATE
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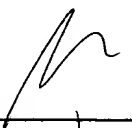
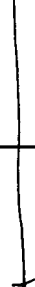

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| | AC20 | 4,959,217 | 09/25/1990 | Sanders <i>et al.</i> | | | 05/22/1986 |
| | AD20 | 5,654,182 | 08/05/1997 | Wahl <i>et al.</i> | | | 06/07/1995 |
| | AE20 | 2002/0106797 | 08/08/2002 | Miles <i>et al.</i> | | | 03/12/2001 |
| | AF | | | | | | |
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| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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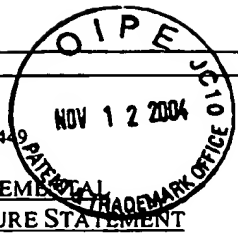
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| ATTY. DOCKET NO. 0942.5010002/RWE/BJD/JKM | | APPLICATION NO. 09/732,914 |
| APPLICANT(S) Cheo <i>et al.</i> | | |
| FILING DATE December 11, 2000 | | ART UNIT 1636 |

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| | AM | | | | | | Yes No |
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FOREIGN PATENT DOCUMENTS

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| | AL | | | | | | Yes No |
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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DATE CONSIDERED

9/13/05

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FORM PTO-1449

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ELEVENTH SUPPLEMENTAL
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0942.5010002/RWE/BJD/JKMAPPLICATION No.
09/732,914

APPLICANT(S)

Cheo *et al.*

FILING DATE

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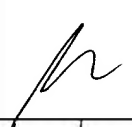
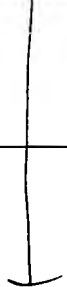

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FORM PTO-1449 NOV 12 2004
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Cheo *et al.*

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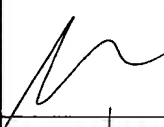
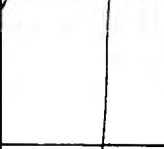
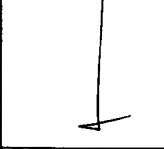
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Cheo *et al.*

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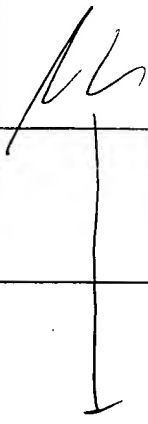
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|  | AR | 209 | Sauer, B. and Henderson, N., "Targeted Insertion of Exogenous DNA into the Eukaryotic Genome by the Cre Recombinase," <i>New Biol.</i> 2:441-449, Saunders Scientific Publications/W.B. Saunders Company (1990) |
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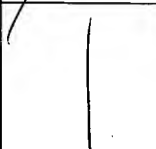
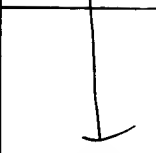
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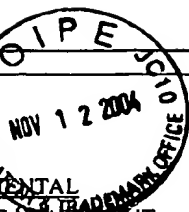
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ELEVENTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.5010002/RWE/BJD/JKMAPPLICATION NO.
09/732,914

APPLICANT(S)

Cheo *et al.*

FILING DATE

December 11, 2000

ART UNIT

1636


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| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
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| | AO20 | WO 00/29000 | 05/25/2000 | WIPO | | | Yes No |
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| | AO21 | WO 02/46372 | 06/13/2002 | WIPO | | | Yes No |
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